

Docket No. 287325US0PCT



DFW
MAIL STOP PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Hisashi TAKAHASHI, et al.

SERIAL NO: 10/572,742

GAU:

FILED: March 21, 2006

EXAMINER:

FOR: 8-CYANOQUINOLONECARBOXYLIC ACID DERIVATIVE

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☒ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 287325US0PCT		SERIAL NO. 10/572,742	
<div style="position: relative; width: 100px; height: 100px; margin: auto;"> <div style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; border: 1px solid black; border-radius: 50%; text-align: center; line-height: 100px;"> O I P E JUN 21 2006 PATENT & TRADEMARK OFFICE </div> </div>				APPLICANT Hisashi TAKAHASHI, et al.			
				FILING DATE March 21, 2006		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	6 900 225	05/31/05	TAKEMURA et al.			
	AB	2004/0063754	04/01/04	TAKAHASHI et al.			
	AC	5 849 757	12/15/98	TAKEMURA et al.			
	AD	5 098 912	03/24/92	HAYAKAWA et al.			
	AE	5 476 950	12/19/95	HAYAKAWA et al.			
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AO	96/00208	01/04/96	WO (with English abstract)			NO
	AP	02/40478	05/23/02	WO (with English abstract)			NO
	AQ	0 235 762	09/09/87	EP			NO
	AR	37 02 393	08/11/88	DE			NO
	AS	96/11194	04/18/96	WO (English abstract only)			NO
	AT	97/31001	08/28/97	WO (with English abstract)			NO
	AU	98/26779	06/25/98	WO (with English abstract)			NO
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AW	BROSSI, Arnold et al., "1-Ethyl-7-[3-[(ethylamino) methyl]-1-pyrrolidinyl]-6,8-difluoro-1,4-dihydro-4-oxo-3-quinoline-carboxylic Acid. New Quinolone Antibacterial with Potent Gram-Positive Activity", Journal of Medicinal Chemistry, Vol. 29, No. 4, Pages 445-448, 1986.					
	AX	DOMAGALA, John M. et al., "Quinolone Antibacterials Containing the New 7-[3-(1-Aminoethyl)-1-pyrrolidinyl] Side Chain: The Effects of the 1-Aminoethyl Moiety and Its Stereochemical Configurations on Potency and in Vivo Efficacy", Journal of Medicinal Chemistry, Vol. 36, No. 7, Pages 871-882, 1993.					
	AY	HAGEN, Susan E. et al., "Synthesis and Antibacterial Activity of New Quinolones Containing a 7-[3-(1-Amino-1-methylethyl)-1-pyrrolidinyl] Moiety. Gram-Positive Agents with Excellent Oral Activity and Low Side-Effect Potential", Journal of Medicinal Chemistry, Vol. 37, No. 6, Pages 733-738, 1994.					
	AZ	KIMURA, Youichi et al., "Synthesis and Structure-Activity Relationships of 7-[3-(1-Aminoalkyl) pyrrolidinyl]- and 7-[3-1-aminocycloalkyl] pyrrolidinyl]-quinolone Antibacterials ¹), Chem. Pharm. Bull., Pages 1442-1454, Vol. 42, No. 7, 1994.				<input type="checkbox"/> Additional References sheet(s) attached	
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

U.S. PCT Application Serial No: 10/572,742

Filed: March 21, 2006

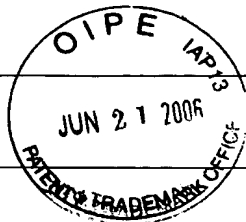
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STATEMENT OF RELEVANCY

- 1) References have been cited in the International Search Report. A copy of these references is being submitted herewith.
- 2) References have been cited in the corresponding Search Report. A copy of these references is being submitted herewith.
- 3) References AO - AU & AW - AZ are discussed in the specification. A copy of these references is being submitted herewith.
- 4) References AC - AE are additional prior art known to Applicant. A copy of these references is being submitted herewith.



LIST OF RELATED CASES CITED BY
APPLICANT UNDER 37 CFR 1.56

Docket No.: 287325US0PCT

Serial No.: 10/572,742

Inventor: Hisashi TAKAHASHI, et al.

Filing Date: March 21, 2006

Group:

LIST OF RELATED CASES

<u>Examiner Initial</u>	<u>Docket No.</u>	<u>Serial or Patent Number</u>	<u>Filing or Issue Date</u>	<u>Patent App. Publication No.</u>	<u>Inventor or Applicant</u>
	287325US0PCT*	10/572,742	03/21/06		TAKAHASHI, et al.
	230696US0PCT	6,900,225	05/31/05		TAKEMURA, et al.
	PER CLIENT	10/432,043	05/19/03	US2004/0063754 A1	TAKAHASHI, et al.

Examiner

Date Considered

*Present Application; listed for information
NFO/sbc/kch